

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Justin A. Church</td> <td>05/20/2013</td> </tr> <tr> <td>John Meloling</td> <td>05/20/2013</td> </tr> <tr> <td>John D. Rockway</td> <td>05/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	Justin A. Church	05/20/2013	John Meloling	05/20/2013	John D. Rockway	05/20/2013
Name	Execution Date								
Justin A. Church	05/20/2013								
John Meloling	05/20/2013								
John D. Rockway	05/20/2013								
RECEIVING PARTY DATA									
Name:	United States of America as represented by the Secretary of the Navy								
Street Address:	One Liberty Center, 875 North Randolph Street, Suite 1425								
Internal Address:	Office of Naval Research								
City:	Arlington								
State/Country:	VIRGINIA								
Postal Code:	22203-1995								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13903522</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13903522				
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Application Number:	13903522								
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NAME OF SUBMITTER:	Arthur K. Samora								
Signature:	/Arthur K. Samora/								

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PATENT

Date:

05/28/2013

Total Attachments: 2

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**Navy Case No. 101813**

Inventors: Justin A. Church, John Meloling, John D. Rockway

**ASSIGNMENT**

WHEREAS we, Justin A. Church, John Meloling, John D. Rockway, all of San Diego, CA, while employed by the Government of the United States, have invented certain new and useful improvements in:

**EQUAL PHASE AND EQUAL PHASED SLOPE  
METAMATERIAL TRANSMISSION LINES**

identified as Navy Case No. 101813 described in application for Letters Patent of the United States of America executed by us on May 20, 2013; and

WHEREAS, the Government of the United States, represented by the Secretary of the Navy and hereinafter referred to as the Government, is desirous of acquiring an assignment of the invention disclosed in said application and other rights and benefits herein granted; and

WHEREAS, the conditions under which the invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

WHEREAS, as to foreign rights, it is the policy of the Government to obtain an option to exercise such rights;

NOW, THEREFORE, in consideration of the promises and other good and valuable consideration the receipt of which is hereby acknowledged, we hereby assign and transfer to the Government the entire right, title and interest in and to said invention within the United States of America, its territories and possessions, and the entire right, title and interest in and to said application and any continuation, division or substitution thereof, and such Letters Patent to be held by the Government to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment not been made.

We do hereby also grant unto the Government, the option to take the entire right, title and interest in the invention and all patent applications or other forms of protection thereon in all countries foreign to the United States in which the Government may file, or cause to be filed, applications for Letter Patent or other forms of protection, without payment of any consideration; provided, however that this grant of an option to take foreign rights in the invention, or applications or other forms of protection thereon, shall have force and effect only as to such applications filed in foreign countries within eight months of the filing date of any application for United States Letter Patent covering the invention, or within eight months from the declassification of the invention, whichever is later, and that all foreign rights exercised under the option are left to us subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent or other form of protection which may issue on said invention in any foreign country, including the power to issue sublicenses for use in behalf of the Government and/or in furtherance of the foreign policies of the Government.

We hereby further agree to make, execute, and deliver to the Government, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the application and of any continuation, division or substitution of the application, or any application for reissue or extension of said Letters Patent, and to assist the Government in every way in protecting the invention as may be requested, provided that any expense arising from such efforts will be paid by Government.

IN TESTIMONY WHEREOF, We have set our hands and affixed our seals.

Name Justin Church Date 5/20/13  
Justin A. Church

Name John Meloring Date 5/20/13  
John Meloring

Name John D. Rockway Date 5/20/13  
John D. Rockway